

(DRAFT) VACANCY ANNOUNCEMENT

POSITION: **Assistant Professor of Geospatial Analysis**
Tenure track, 1.0 FTE, 9-month Academic Year appointment, 70% Research, 30% Teaching.

LOCATION: Department of Land Resources and Environmental Sciences, College of Agriculture, Montana State University, Bozeman.

AVAILABLE: August 16, 2007, or until position is filled.

SALARY: Competitive, dependent on experience and qualifications

JOB DESCRIPTION: The Department of Land Resources and Environmental Sciences seeks a talented and enthusiastic individual who will: 1) provide leadership in the analysis, characterization and spatial modeling of environmental processes at multiple scales; 2) fill a critical role in the department's research and teaching programs related to geospatial analysis as applied to land resources and environmental sciences; and 3) contribute to the MSU Spatial Sciences Center's mission to advance academic research and instructional programs and to participate in campus-wide synergistic collaboration. Candidates should have outstanding research and teaching experiences (or potential) and fundamental training in a relevant natural resources/environmental sciences field and in spatial analysis techniques including GIS and quantitative analysis. Examples of potential research foci include 1) spatial analysis and modeling of the climatic, soil, water, vegetation, and biogeochemical interactions that occur at multiple scales across ecosystems and landscapes; 2) monitoring and predicting ecosystem responses to disturbances such as climate change, land use change, resource extraction, fire, and invasive species. The successful candidate will complement existing departmental strengths, and will be expected to develop a nationally competitive research program supported by extramural grant funds. S/he will teach one undergraduate and one graduate course, advise undergraduate students, and mentor graduate students.

QUALIFICATIONS:

Required:

1. Ph.D. in an appropriate discipline.
2. Demonstrated advanced expertise in GIS and other spatial analysis approaches and technologies.
3. Demonstrated academic strengths in the integration and applications of geospatial analyses within the natural resources/environmental sciences.
4. Demonstrated or potential for excellence in undergraduate and graduate instruction and mentoring.

Preferred

1. Strong record or potential for publication in peer reviewed journals.
2. Ability to secure extramural funding, independently and within transdisciplinary teams.
3. Interest in and ability to lead integrated cross-disciplinary spatial analysis initiatives.

The successful candidate will be a dynamic scientist and educator who will: (i) help MSU continue to provide outstanding research, teaching and service in land resources and environmental sciences; (ii) have effective interpersonal skills including the ability to collaborate successfully with faculty, staff, and students; and (iii) have superior written and oral communication skills.

Application Procedure. Screening will begin April 23, 2007 and continue until a suitable applicant is found. Applicants should mail (no fax/email applications): 1) a letter of application describing how their training, expertise, talents and experiences uniquely qualify them to fulfill the required and preferred qualifications for the position mentioned above, 2) a resume or curriculum vitae, 3) transcripts (official or unofficial) of all university academic work, and 4) names, addresses, and telephone numbers of five professional references to:

Chair, Spatial Analysis Position Search Committee
c/o Ms. Merry Paceley, Administrative Assistant
Department of Land Resources and Environmental Sciences
P.O. Box 173120
Montana State University
Bozeman, MT 59717-3120

For position related questions contact:

Dr. Rick Lawrence, Search Chair
rickl@montana.edu
(406) 994-5409

University and Departmental Information. Founded in 1893 in the scenic Gallatin Valley just north of Yellowstone National Park, Montana State University is a land grant university with total enrollment of 12,000 students, including about 1,200 graduate students. MSU was recently recognized as one of 94 U.S. research universities representing the top tier of the Carnegie Foundation rankings. Research funding currently exceeds \$100 million annually and has been growing steadily. For more information see the MSU website at www.montana.edu. Recently named an All-American City, Bozeman is an attractive, culturally alive city located in the northern Rocky Mountain region. The 70,000 residents of Bozeman and nearby communities enjoy excellent schools, diversified medical facilities, a low crime rate, a vibrant cultural and arts scene, and one of the most superb year-round recreational areas in the nation, including two world-class ski areas, blue ribbon trout fishing streams and the Gallatin National Forest.

The Department of Land Resources and Environmental Sciences (LRES) is in the College of Agriculture and includes faculty working in the areas of soil science, hydrology and watershed analysis, restoration ecology, land resource science, environmental microbiology, remote sensing and spatial analysis, weed ecology and management, entomology, and agricultural sciences. It consists of 28 research, teaching, and extension faculty, about 100 undergraduate students, 60 M.S. and Ph.D. graduate students, and 15 postdoctoral scientists. LRES faculty, students, and staff are productive and maintain a particularly interactive and open work environment. Collaborative endeavors within and outside the department are highly valued. Additional information may be found on the departmental website at <http://landresources.montana.edu/>. The College of Agriculture and the Montana Agricultural Experiment Station generate and disseminate superior knowledge and technological/policy solutions to increase the competitiveness of Montana agricultural and natural resource enterprises. Through our work, we seek to preserve environmental quality, improve quality of life and add value to our resources.

The successful applicant will be located in a modern academic building on the MSU Bozeman campus. Montana and the surrounding region provide exceptional opportunities for research and instruction.

Benefits Group dental-hospital-medical insurance plan, Montana Teacher's Retirement or TIAA/CREF programs, and voluntary enrollment in tax-sheltered annuity programs are available.

ADA/EO/AA/VETERAN'S PREFERENCE. In compliance with the Montana Veteran's Employment Preference Act, MSU provides preference in employment to eligible veterans, disabled veterans, and certain eligible relatives of veterans. MSU makes accommodation for any known disability that may interfere with an applicant's ability to compete in the hiring process or an employee's ability to perform the duties of the job. To claim veteran's preference or request accommodation, contact Human Resources/Affirmative Action, Montana Hall, MSU, Bozeman, MT 59717-2430 [406/994-2042; TDD 406/994-4191] before the screening/closing date for receipt of applications.